

On page 46, lines 13-15:

A⁷ -- As described above, the difficult sequence HVQAAIDYING-K₆-OH (SEQ ID NO:9) was synthesized using the presequence (Lys(tBoc))₆ (SEQ ID NO:21) attached at the C-terminus on a pepsyn K.--

On page 47, Table 2, first row, column 2:

A⁸ --Pre-sequence (Lys(tBoc))₆ (SEQ ID NO: 21) --

REMARKS

Applicants have amended the specification to comply with the "Notice To Comply With Requirements For Patent Applications Containing Nucleotide Sequence And/Or Amino Acid Sequence Disclosures". The amendments are solely to identify the amino acid sequences referred to in the specification with the sequence listing ID numbers and to correct spelling errors. No new matter is added by virtue of these amendments.

Early examination and allowance of the application are respectfully requested.

Respectfully submitted,



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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

On page 33, line 15:

-- Synthesis of H-Ala₂₀-Lys₆-OH (~~SEQ ID NO:5~~) (SEQ ID NO:7).--

On page 33, line 25:

-- Synthesis of H-Ala₂₀-~~Lvs~~ Lys-(Gly-Lys)₃-OH SEQ ID NO:29). --

On page 39, lines 12-14:

-- Synthesis of H-Ala₁₀-Lys-OH (SEQ ID NO:3) using(Glu(OtBu))₆ (SEQ ID NO:36) as presequence and (+)-4 methoxymandelic acid as linker (H-Ala₁₀-~~Lvs~~ Lys (Boc)-OCH(4-MeOPh)CO-(Glu(OtBu))₆-NHCH₂CH₂NH PepSyn K resin)(SEQ ID NO:35).--

On page 42, lines 4-12:

-- In the case of m = 3, it was seen from the HPLC trace shown in Figure 4 that the synthesis may be continued to Ala₁₀ (~~SEQ ID NO:5~~) (SEQ ID NO:43) without detectable amounts of deletion peptides or incomplete Fmoc-deprotection. However, when continuing the synthesis to Ala₂₀ (SEQ ID NO:14), the chromatogram (Figure 5) shows the presence of a small amount of deletion peptides. The results are even more striking with H-(Ala)_n-(Lys)₆-OH (SEQ ID NO:13), where products without detectable deletion peptides are obtained with both Ala₁₀ (~~SEQ ID NO:5~~) (SEQ ID NO:43) (Figure 6) and Ala₂₀(SEQ ID NO:14) (Figure 7). Furthermore, coupling times are drastically reduced from up to 30 hours to standard coupling times (< 2 hours) in the single steps.--

On page 43, lines 23-24:

-- A much better product was achieved than for the HMPA-linker (SEQ ID NO: 24) (Figure 8) although deletion peptides are present.--

On page 43, lines 25-27, through to page 44, lines 1-2:

-- These results may be compared to synthesis of H-Lys-Ala₁₀-OH (SEQ ID NO:26) using the construct resin- MMA-Lys-Ala₁₀ (SEQ ID NO:27) where the presequence Lys(tBoc)₆ (~~SEQ ID NO:22~~) (SEQ ID NO:21) was omitted.--

On page 46, lines 13-15:

-- As described above, the difficult sequence HVQAAIDYING-K₆-OH (SEQ ID NO:9) was synthesized using the presequence (Lys(tBoc))₆ ~~SEQ ID NO:22~~) (SEQ ID NO:21) attached at the C-terminus on a pepsyn K.--

On page 47, Table 2, first row, column 2:

--Pre-sequence (Lys(tBoc))₆ ~~SEQ ID NO:22~~) (SEQ ID NO:21) --